În re: Warburton et al. Serial No. To Be Assigned

Filed: Concurrently Herewith

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## In the Claims:

1. (Currently Amended) A method of stimulating the growth of lung alveolar surface in a lung in need thereof, comprising:

providing <u>alveolar epithelial</u> progenitor <del>or stem</del> cells capable of regenerating lung alveolar surface; and

administering said <u>alveolar epithelial</u> progenitor <del>or stem</del> cells to said lung in an amount sufficient to stimulate the growth of lung alveolar surface therein, wherein said <u>alveolar epithelial progenitor cells are from the same species as said lung.</u>

- 2. (Cancelled).
- 3. (Currently Amended) A <u>The</u> method according to claim 1, wherein said lung is *ex vivo*, and wherein said administering step is followed by the step of:

transplanting said lung into a recipient in need thereof.

- 4. (Currently Amended) A <u>The</u> method according to claim 1, wherein said subject <u>lung</u> is a mammalian subject <u>lung</u>.
- 5. (Currently Amended) A <u>The</u> method according to claim 1, wherein said subject <u>lung</u> is a human subject <u>lung</u>.
  - 6. (Cancelled).
- 7. (Currently Amended) A <u>The</u> method according to claim 1, wherein said <u>alveolar</u> <u>epithelial</u> progenitor cells are autologous cells.
  - 8. (Cancelled).
- 9. (Currently Amended) A <u>The</u> method according to claim 1, wherein said stem-or <u>alveolar epithelial</u> progenitor cells are lung cells.

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- 10. (Currently Amended) A <u>The</u> method according to claim 1, wherein said stem or <u>alveolar epithelial</u> progenitor cells are bone marrow cells.
  - 11. (Cancelled).
  - 12. (Cancelled).
- 13. (New) An *ex vivo* method of stimulating the growth of lung alveolar surface in a lung, comprising:

providing alveolar epithelial progenitor cells capable of regenerating lung alveolar surface; and

administering said alveolar epithelial progenitor cells to said lung ex vivo in an amount sufficient to stimulate the growth of lung alveolar surface therein.